

8-#6  
2123

Patent  
Attorney's Docket No. 000348-191

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of	)	Attention: <b>DRAFTING BRANCH</b>
Michel GASTIGER et al	)	
Application No.: 09/675,257	)	Group Art Unit: Not Assigned
Filed: September 29, 2000	)	Examiner: Not Assigned
For: PROCESS AND APPARATUS FOR	)	
PRODUCING A DIAGRAM OF AN	)	
INSTALLATION COMPRISING	)	
APPARATUSES SUPPLIED WITH GAS	)	

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**SUBMISSION OF FORMAL DRAWINGS**

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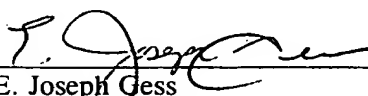
**ATTN: OFFICIAL DRAFTSMAN**

Sir:

Enclosed please find twenty seven (27) sheet(s) of formal drawings for review by the Patent and Trademark Office in connection with the above-identified application. Should the enclosed drawings require changes, it is respectfully requested that the Patent and Trademark Office notify the undersigned of same.

Respectfully submitted,

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Date: February 14, 2001

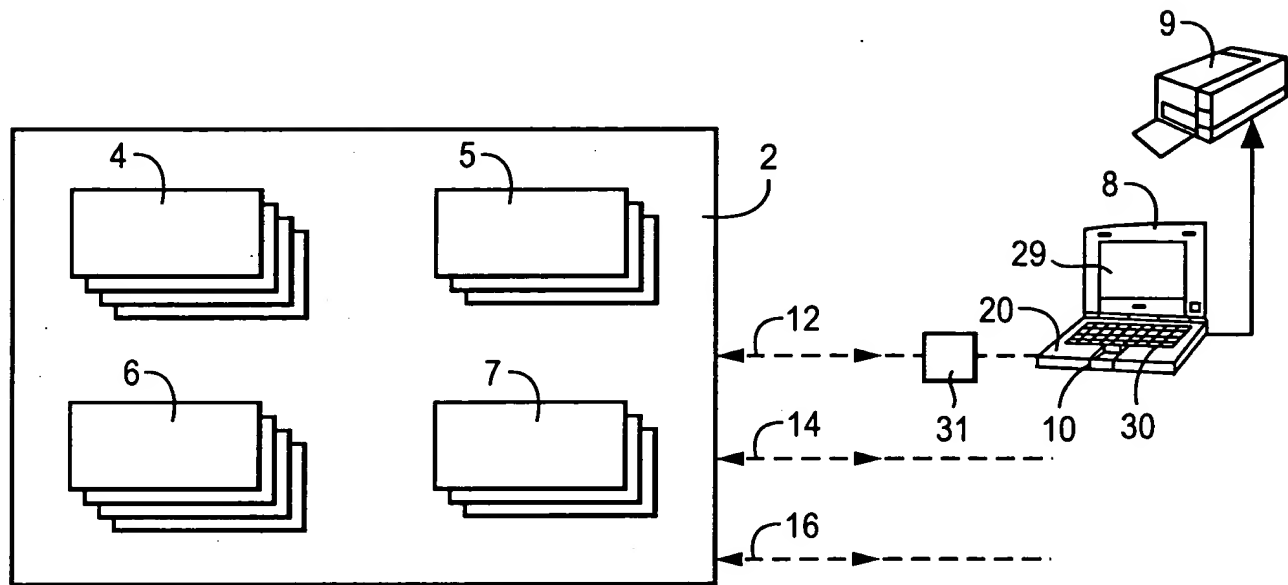


FIG. 1

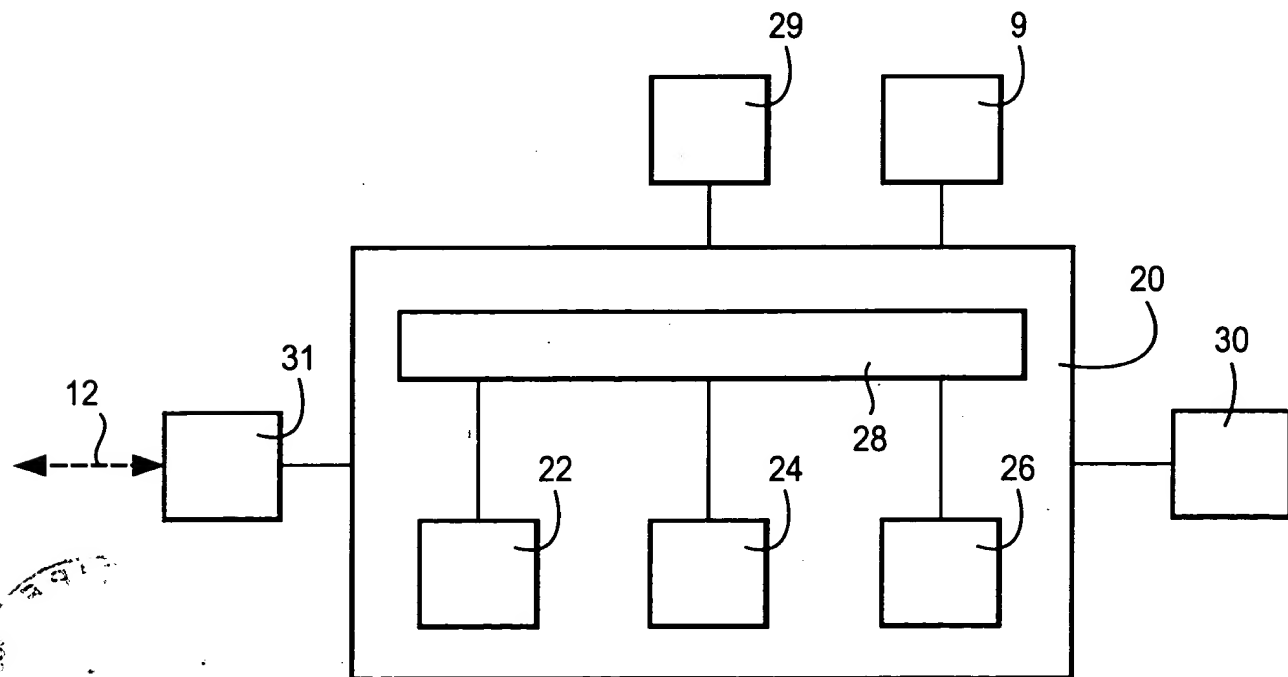


FIG. 2

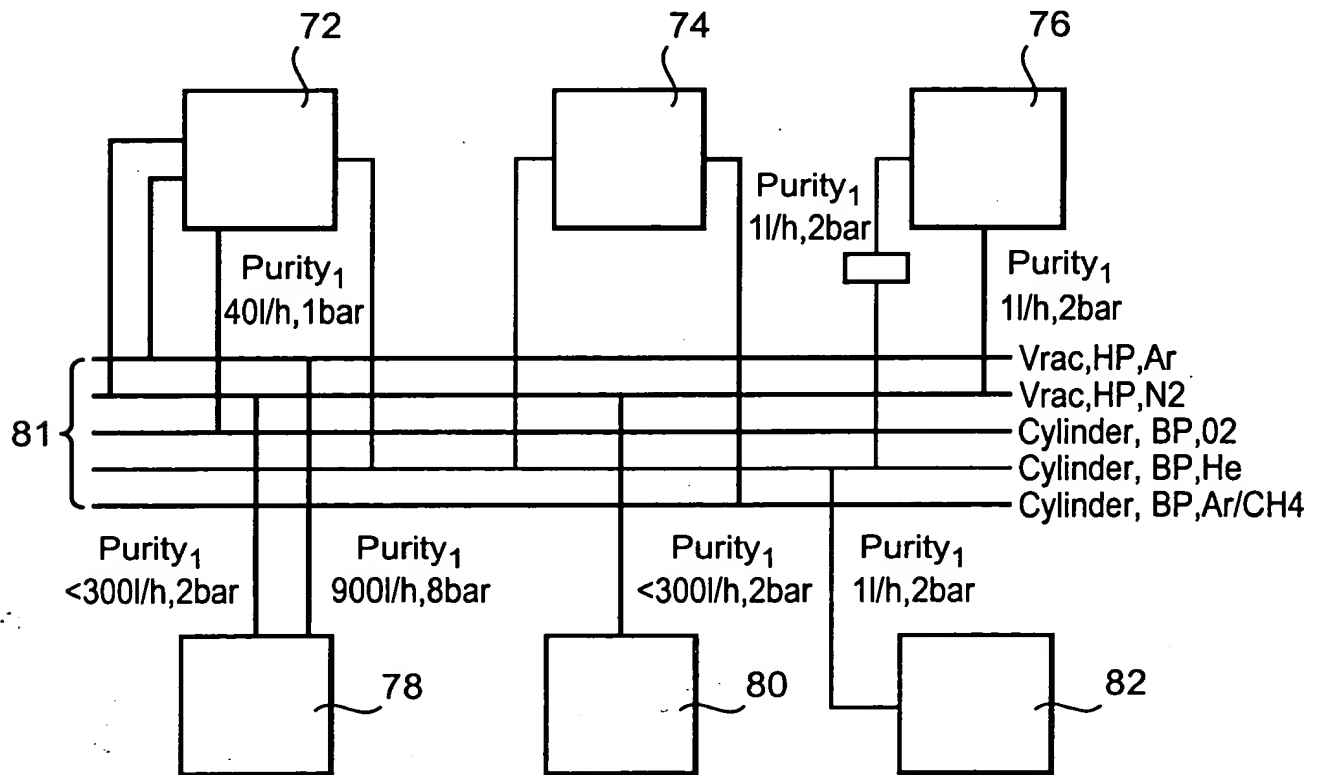
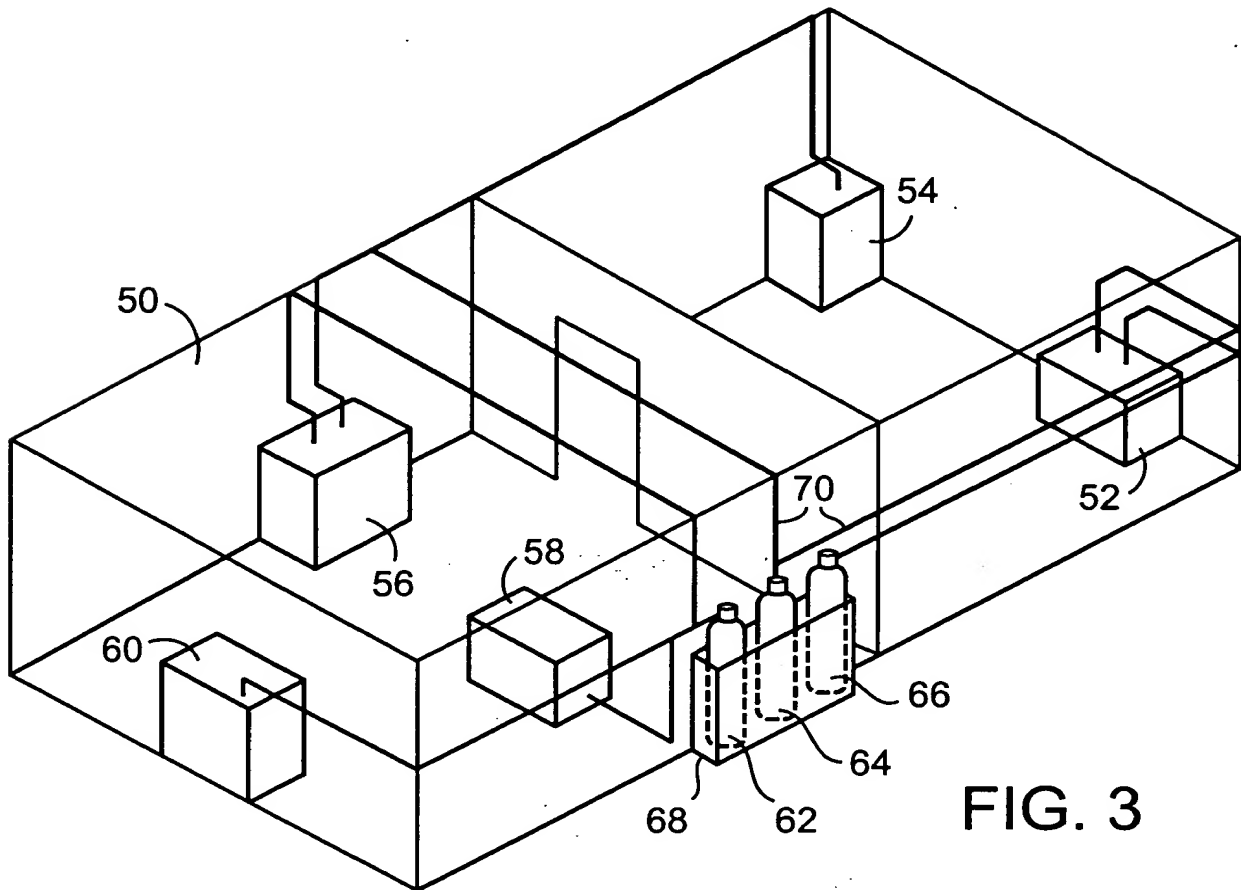
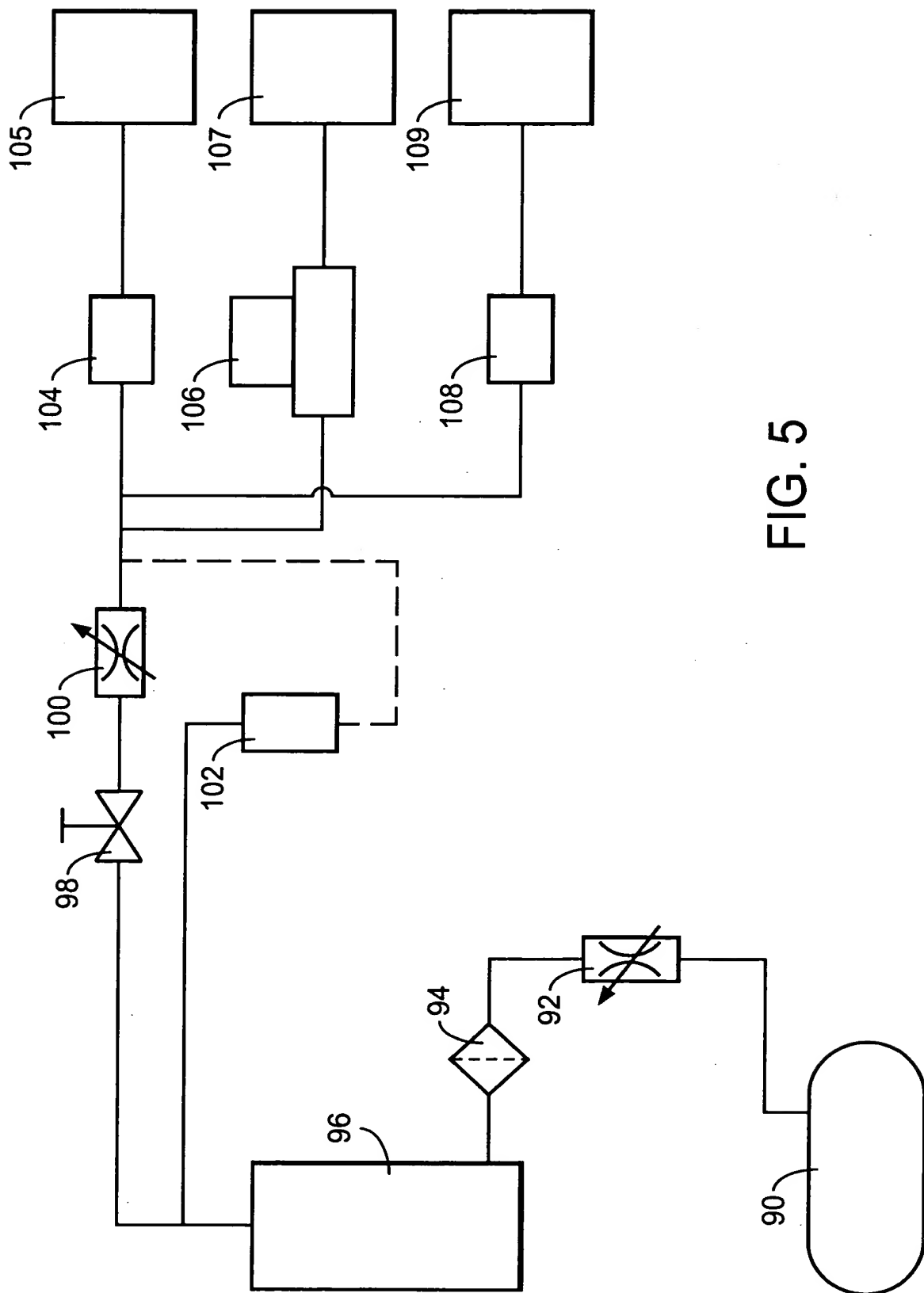


FIG. 4



**FIG. 5**

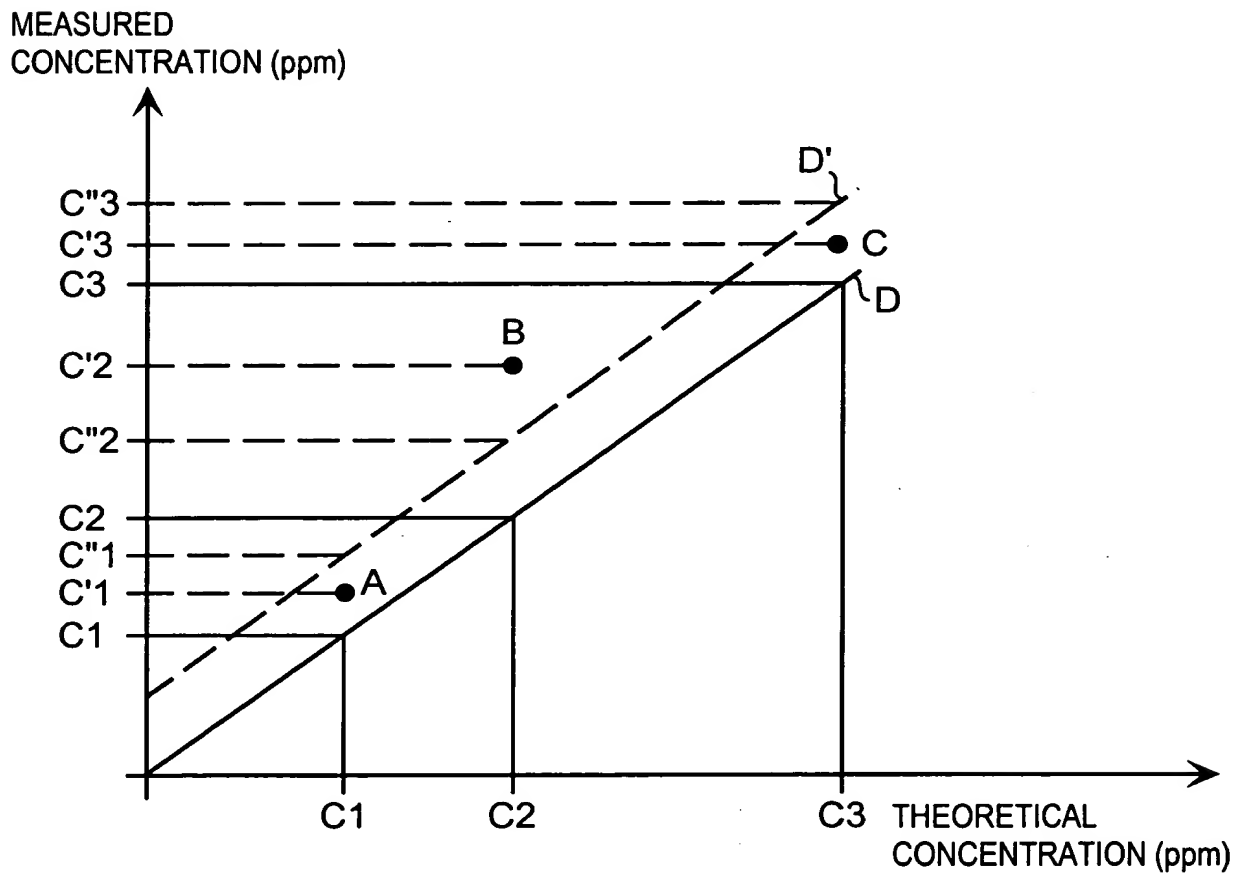


FIG. 6

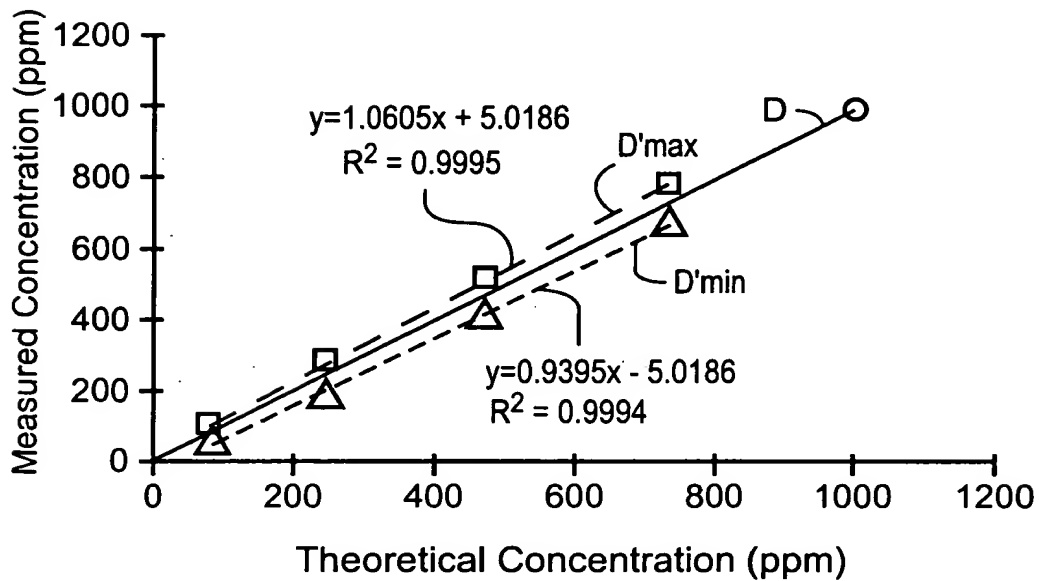


FIG. 7A

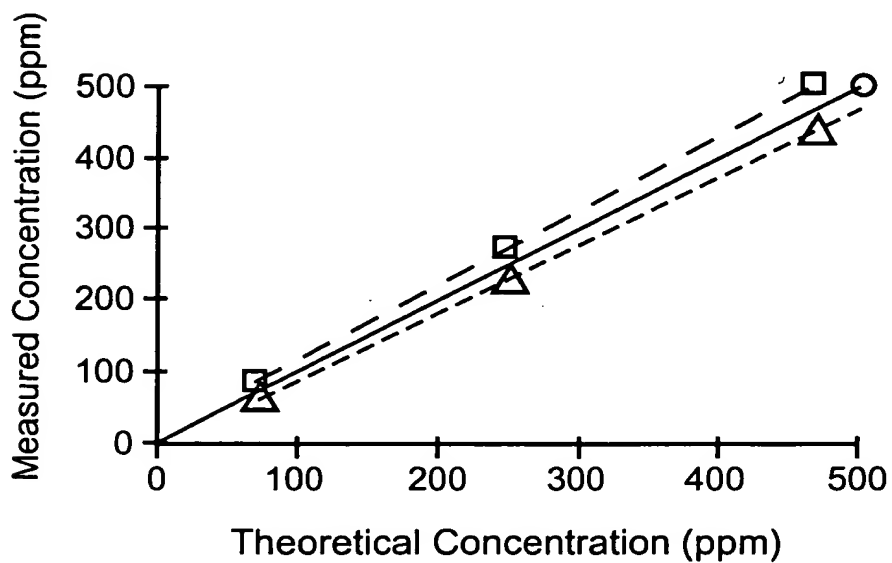


FIG. 7B

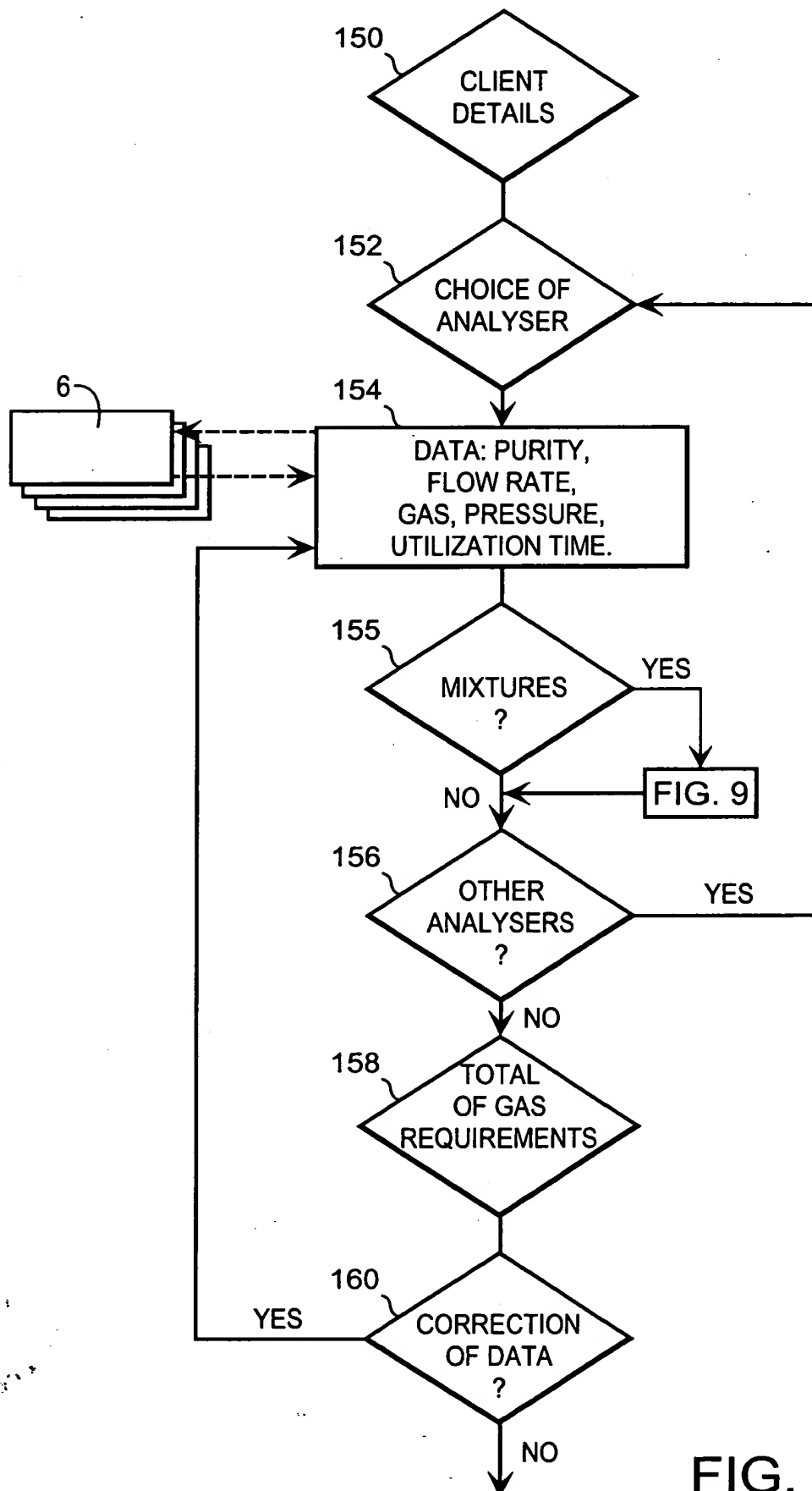


FIG. 8A

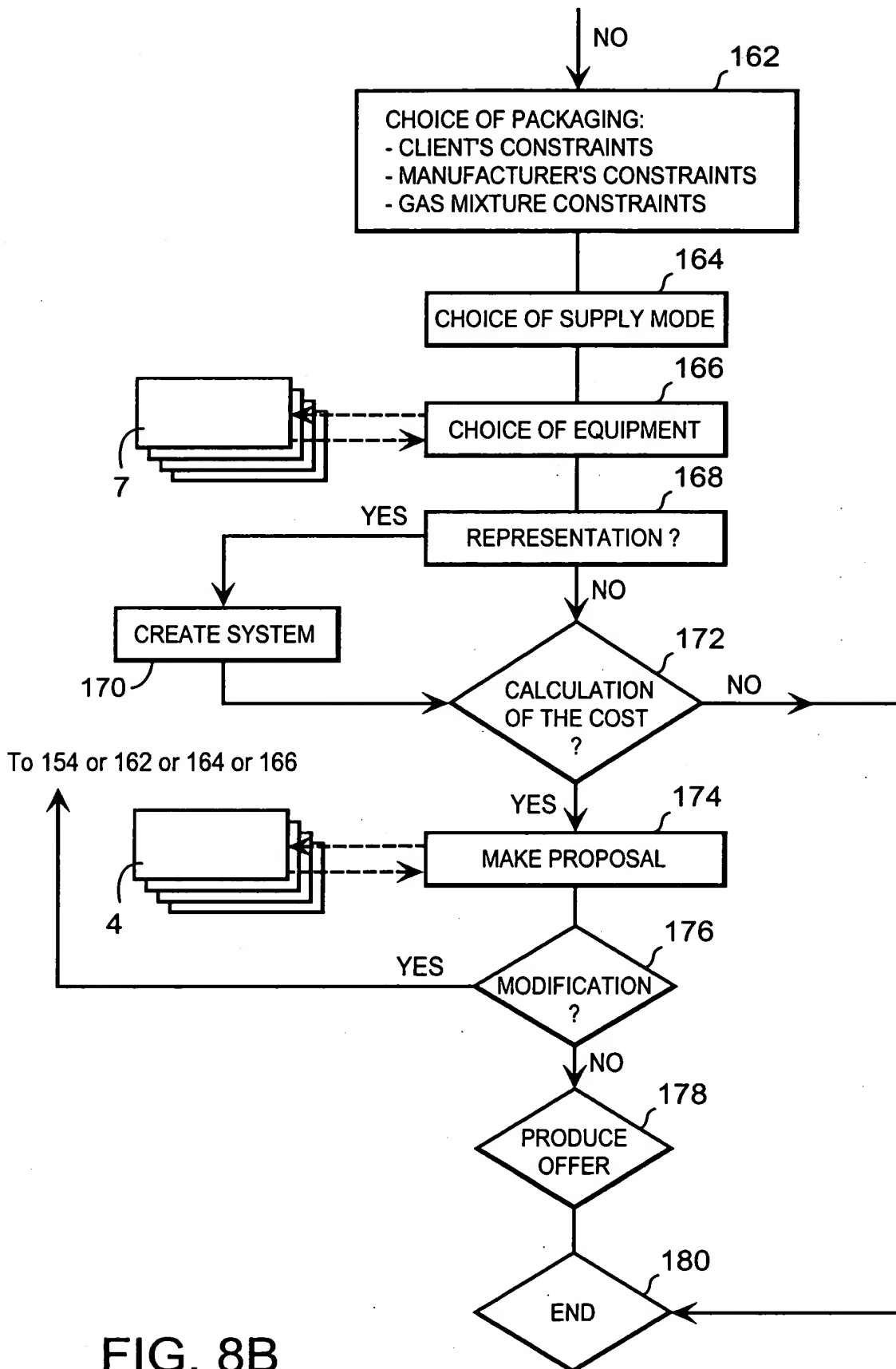


FIG. 8B



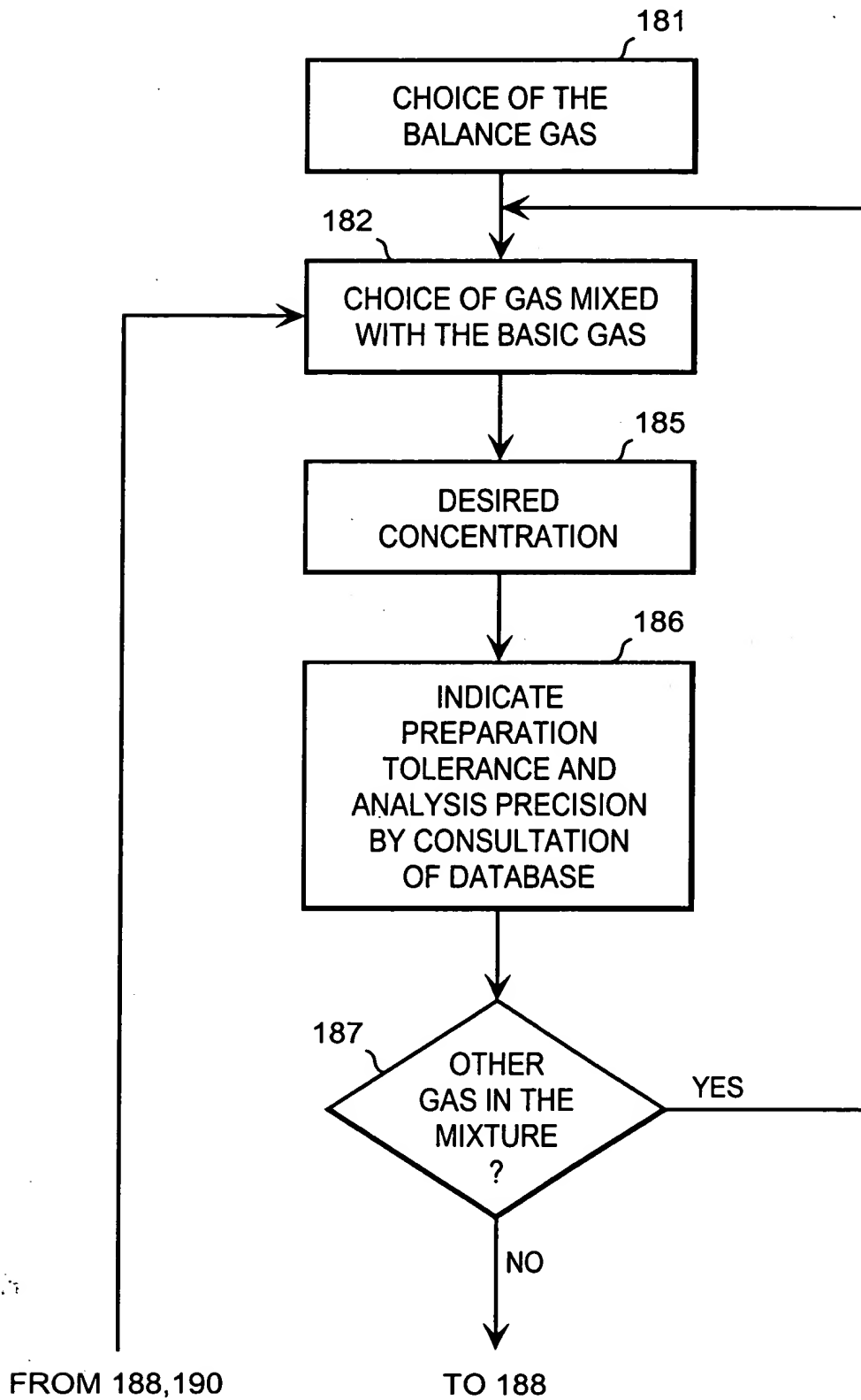


FIG. 9A

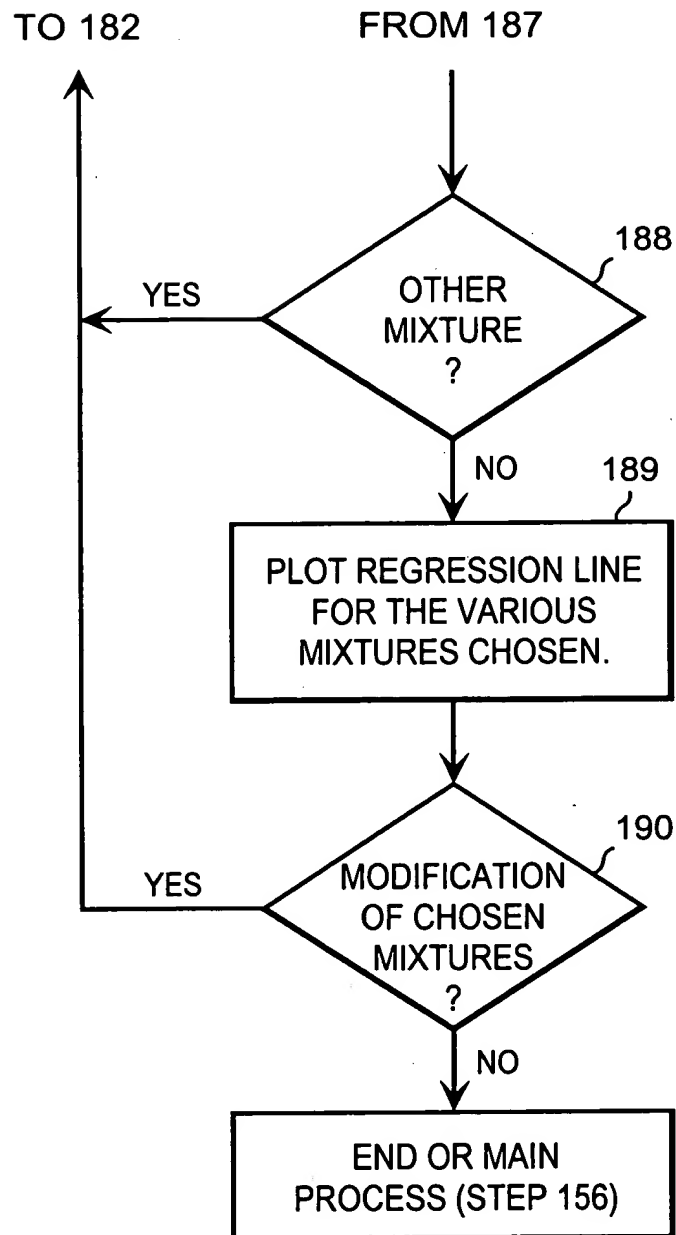


FIG. 9B

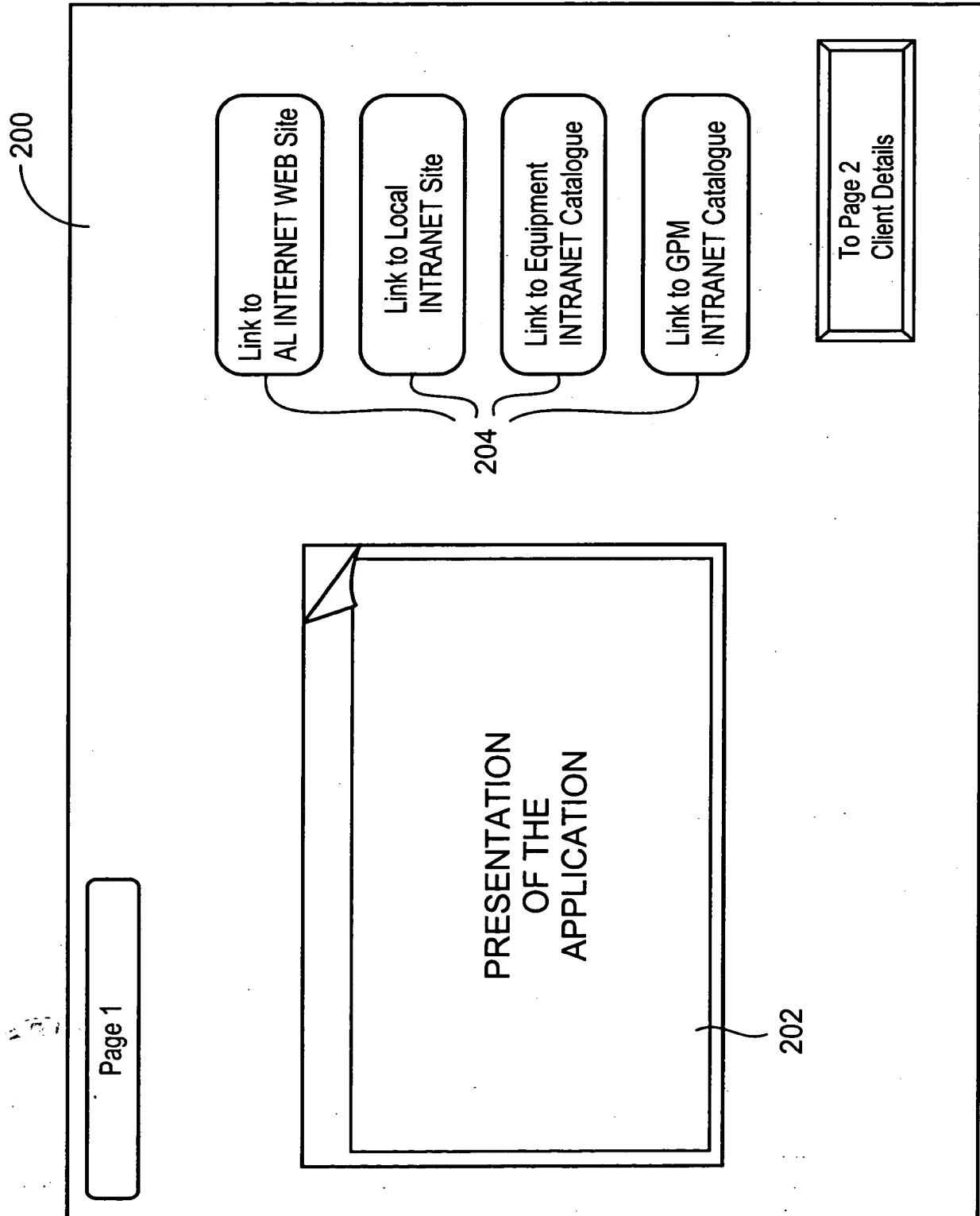


FIG. 10A

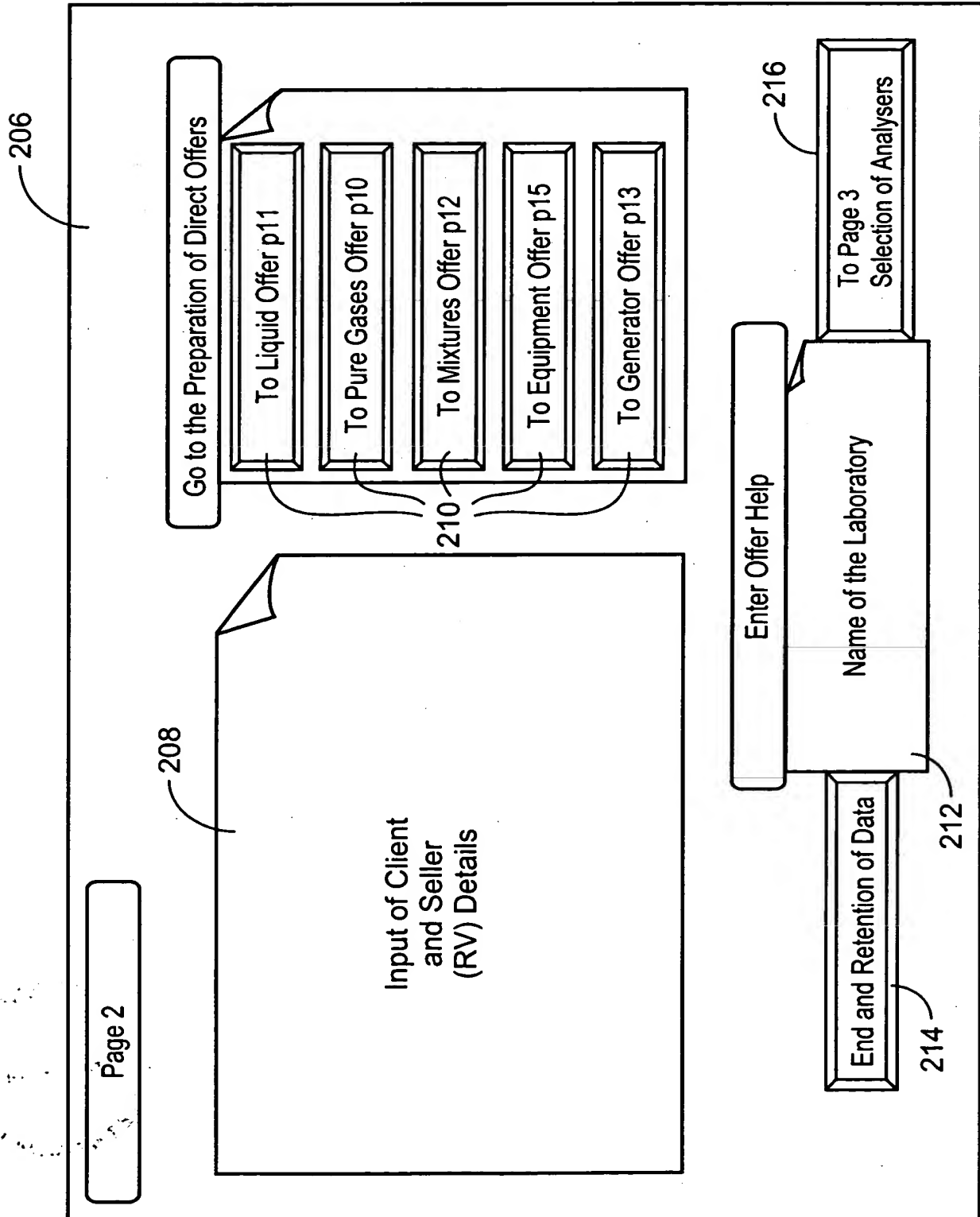


FIG. 10B

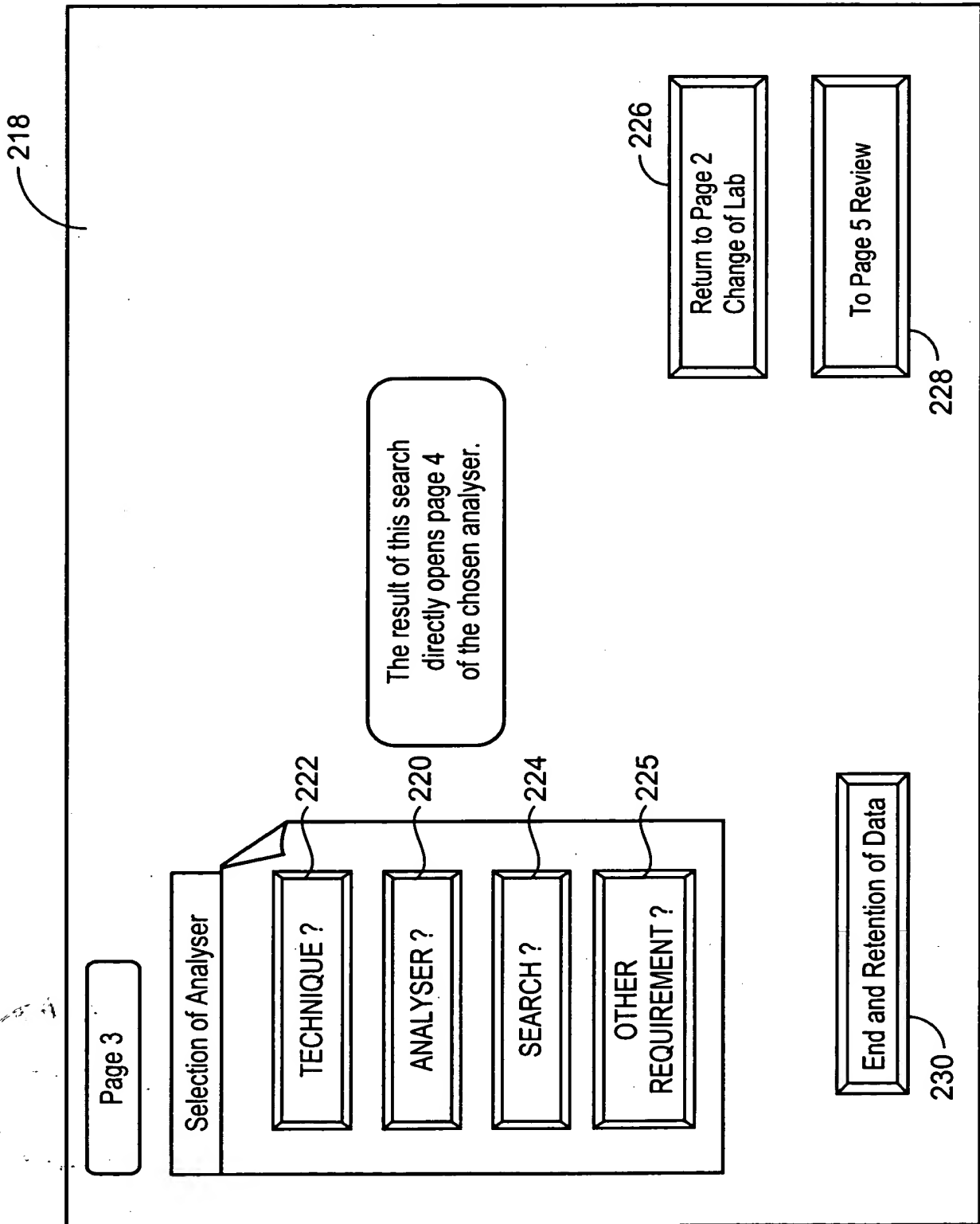
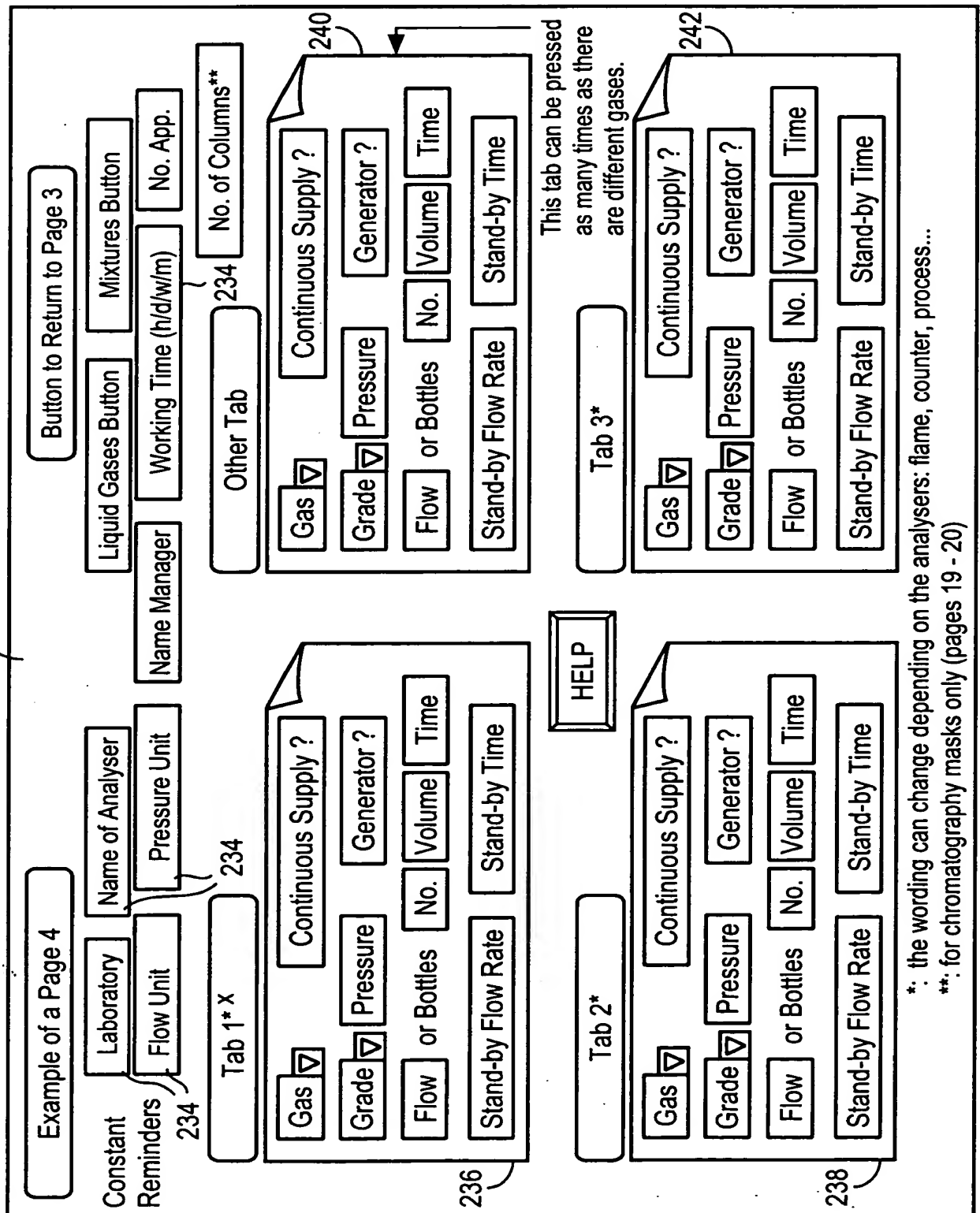


FIG. 10C



\*: the wording can change depending on the analysers: flame, counter, process...

FIG. 10D

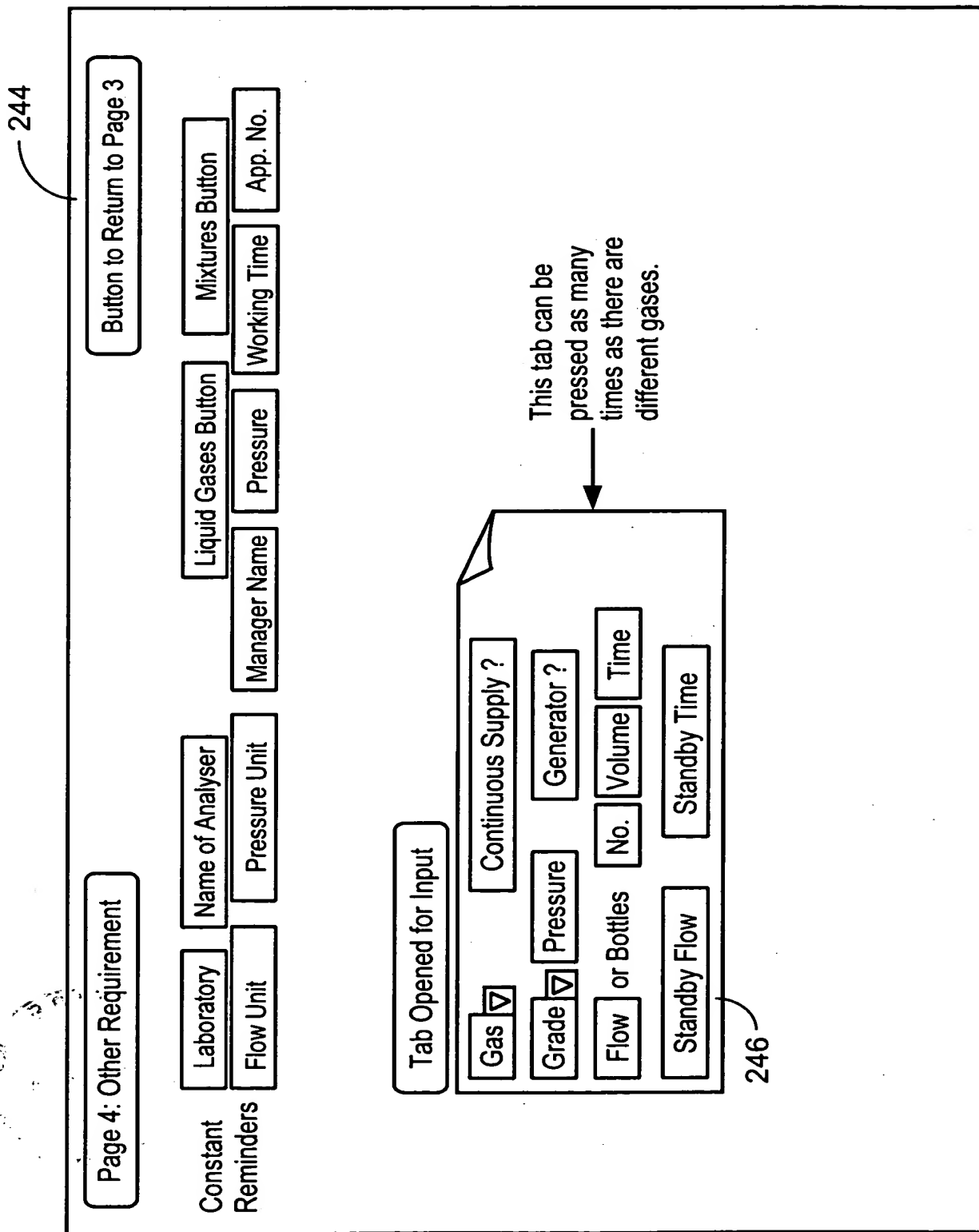


FIG. 10E

248

Page 5: Summary

Selection

By Laboratory

By Analyser

New Lab Button Page 2

Button to Return to Page 3

Go to Page 6 for Calculation

254

250

Example of Output by Laboratory

LABORATORY: B1/SDC

Analyser and Technique	Name	Tab Use	GAS	Purity	Flow Unit	Pressure Unit	Working Time (hours)	Bottle Size	Vol. Unit
GC/ECD	Jean	Carrier	H <sub>2</sub>	Alphagas 2	6 sccm	3 bar	1400	N	N
		Cleaning	H <sub>2</sub>	Alphagas 2	100 sccm	3 bar	400	N	N
		Standard	CF <sub>4</sub> /N <sub>2</sub>					B5	1m <sup>3</sup>
RMN	Paul	Cold	N?					BULK	5 l/d

End and Retention of Data

252

Volume of Empty Cylinder to be Returned

Number

256

Print Form

FIG. 10F



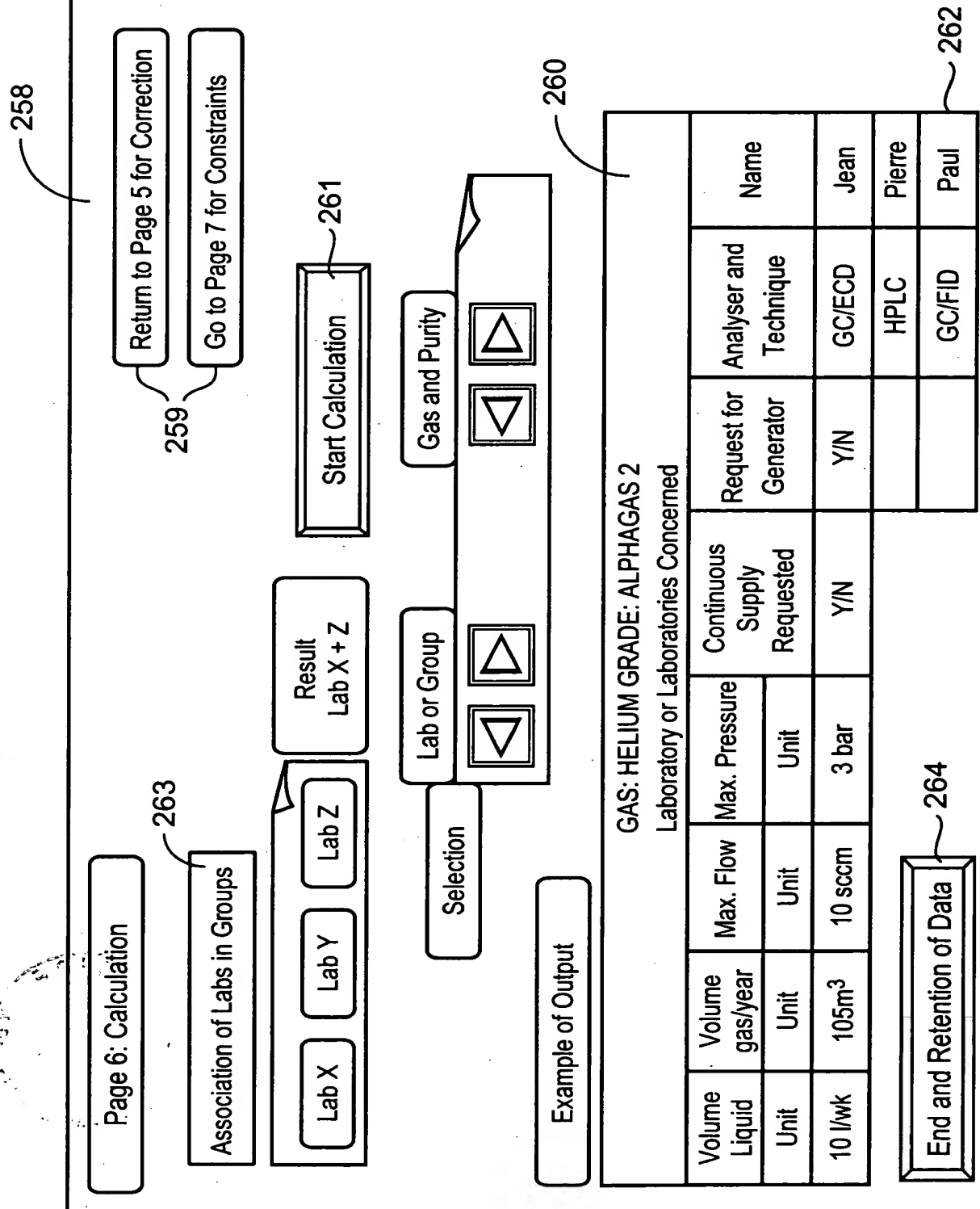


FIG. 10G

Page 7: Constraints

Selection

Gas

Purity

Total Volume

Min. No. Months

Max. Pressure

Max. Flow

Total Flow

LAB

Reminders

Return to Page 5 for Correction

Go to Page 8 for Choice

262 CLIENT CONSTRAINTS

Storage constraints:	No space for a container Bottles inside	<input type="checkbox"/>
Handling constraints:	No dedicated staff	<input type="checkbox"/>
Continuous supply requirement (Reminder)		<input type="checkbox"/>

268 AL CONSTRAINTS

Time between two rounds (GAS)	<input type="checkbox"/>	DAYS
Time between two rounds (LIQUID)	<input type="checkbox"/>	DAYS
Validation by Logistics Department	<input type="checkbox"/>	

This button must be operated before the offer is produced.

266 AL SERVICES

Management of gas stocks and supplies	<input type="checkbox"/>	BROCHURE
Traceability of bottles	<input type="checkbox"/>	WEB LINKS
Connections (compliance with draining procedures)	<input type="checkbox"/>	DATAL
Qualification of gas lines and installations	<input type="checkbox"/>	CYGMA
Preventative and curative maintenance	<input type="checkbox"/>	AUDIGAZ
	<input type="checkbox"/>	SERVIGAZ

270

Management of gas stocks and supplies	<input type="checkbox"/>	DATAL
Traceability of bottles	<input type="checkbox"/>	CYGMA
Connections (compliance with draining procedures)	<input type="checkbox"/>	AUDIGAZ
Qualification of gas lines and installations	<input type="checkbox"/>	SERVIGAZ
Preventative and curative maintenance	<input type="checkbox"/>	SERVIGAZ

End and Retention of Data

FIG. 10H

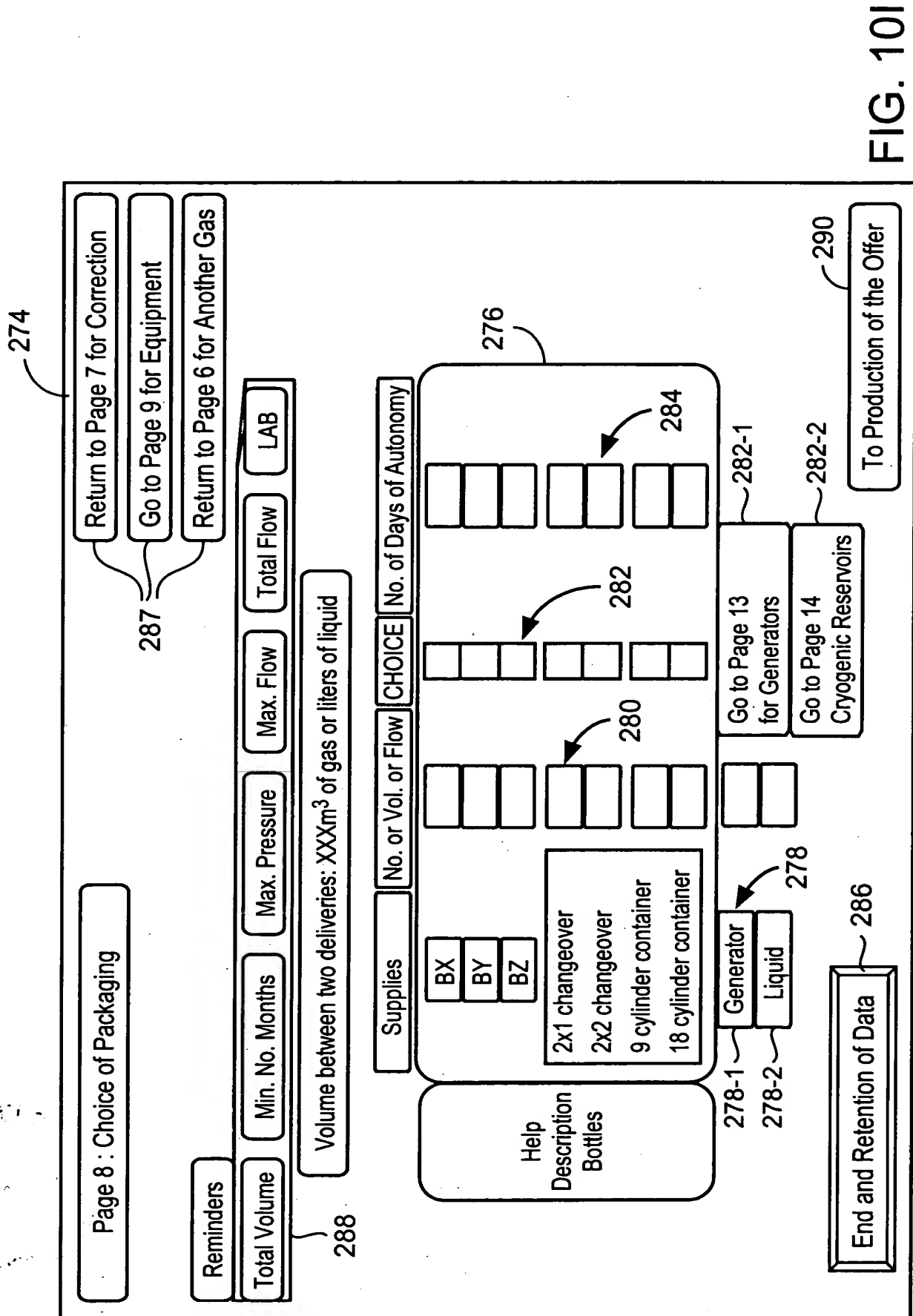


FIG. 10I

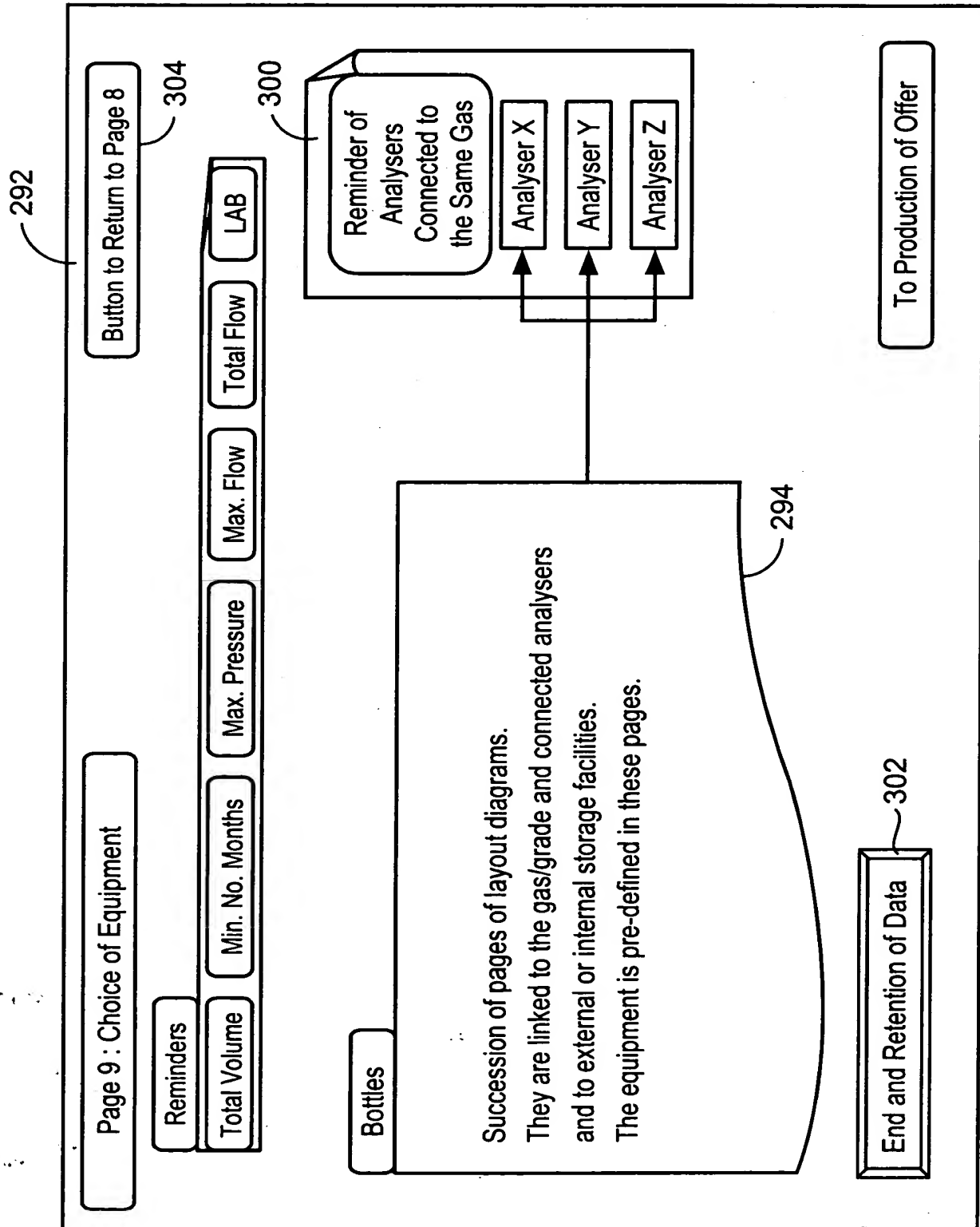


FIG. 10J

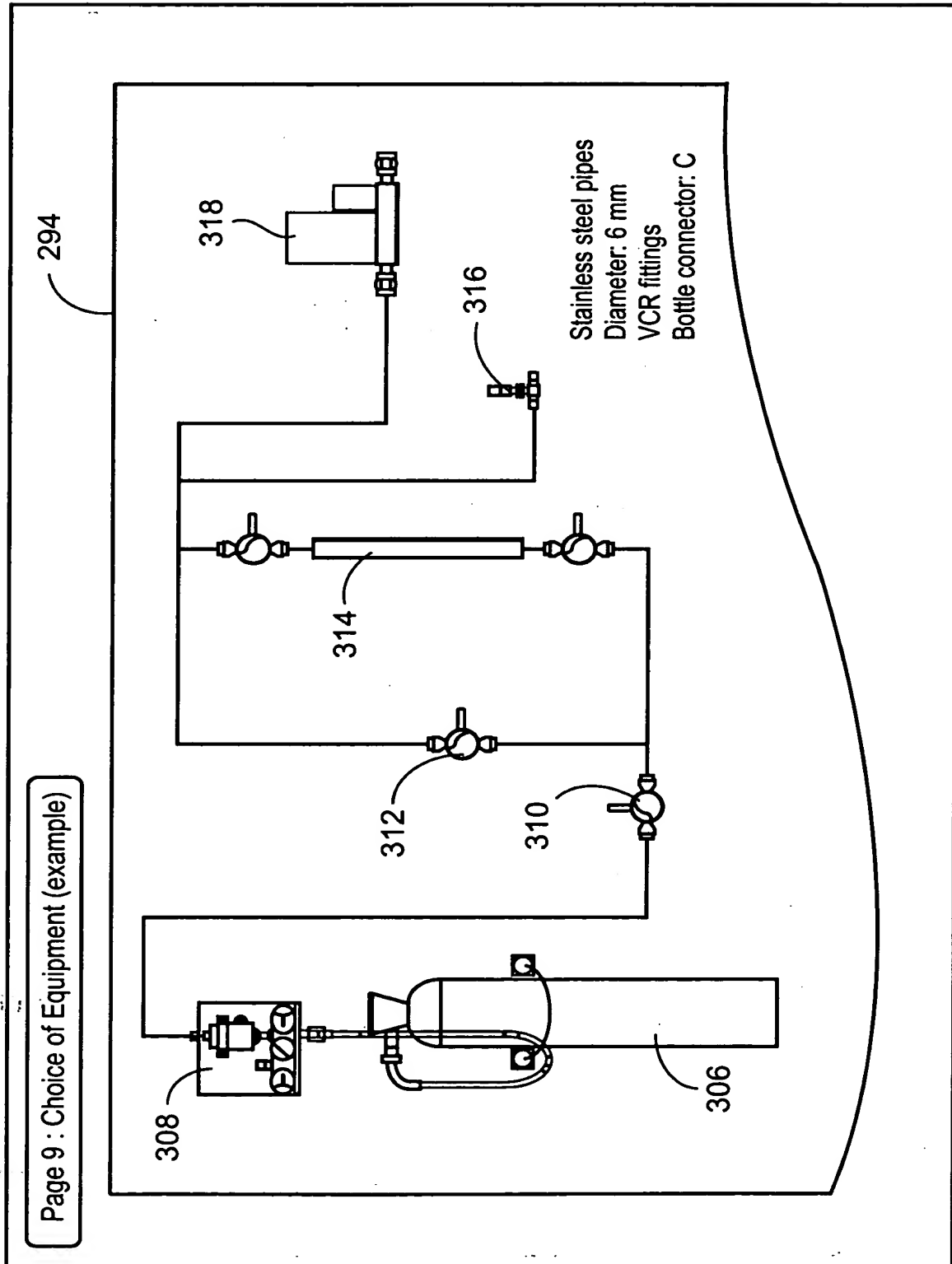


FIG. 10K

Page 10: Flash Order: Pure Gases

330

Button to Return to Page 2

346

Laboratory

Name of Analyser

Name of Manager

To be entered if necessary

Gas ▾

Grade ▾

Continuous Supply ?

No. of bottles/weeks/month

Bottle Size

This tab can be pressed as many times as there are different requirements.

HELP: Description of Bottles

348

To Production of Offer

FIG. 10L

Page 11: Flash Order: Liquid Gases

Laboratory

Name of Analyser

Name of Manager

Gas ▽

1 Grade

Continuous Supply?

Volume/week/month

Button to Return to Page 2

HELP: Description  
Cryogenic Reservoirs

Button to go to  
Cryogenic Containers

FIG. 10M

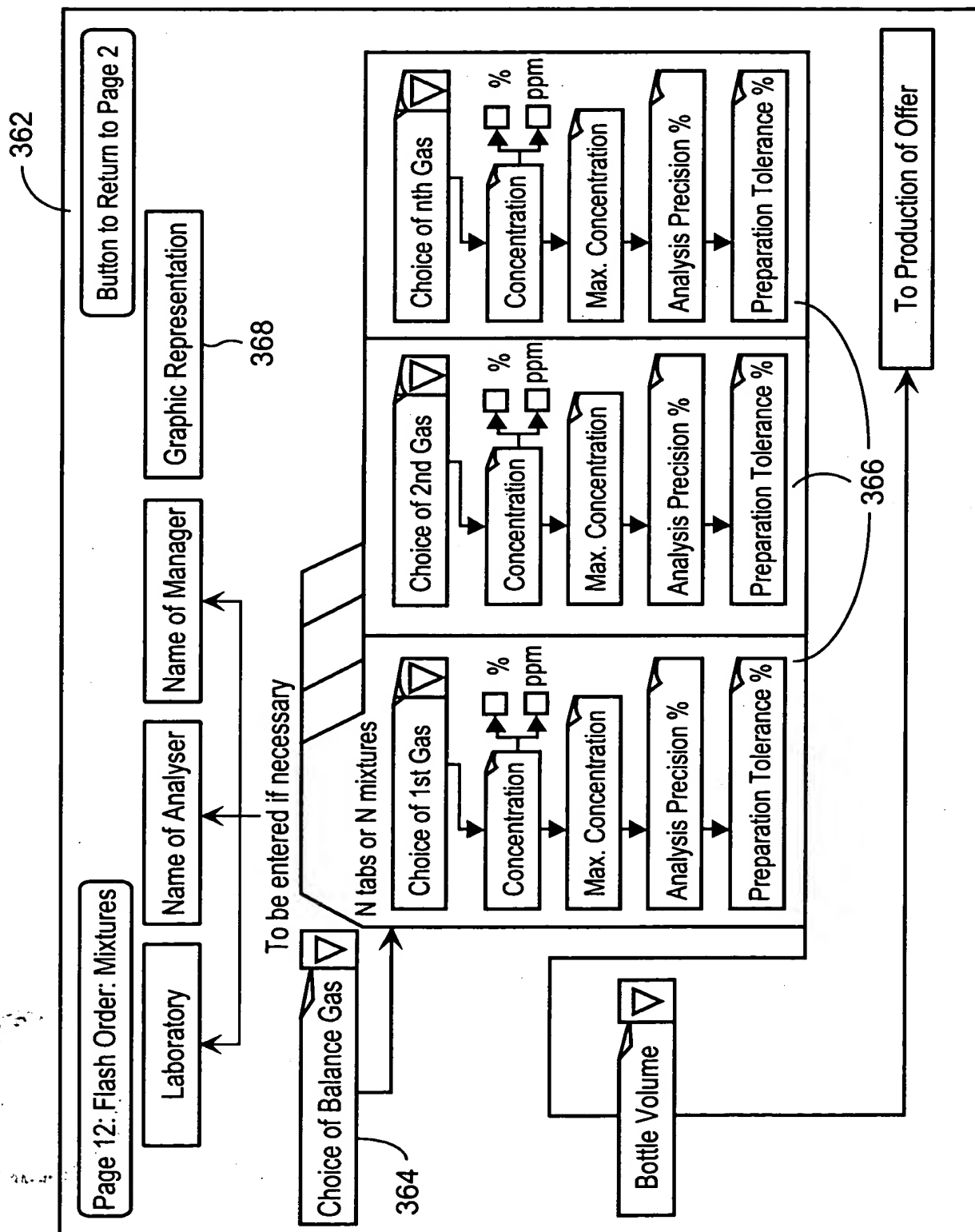


FIG. 10N



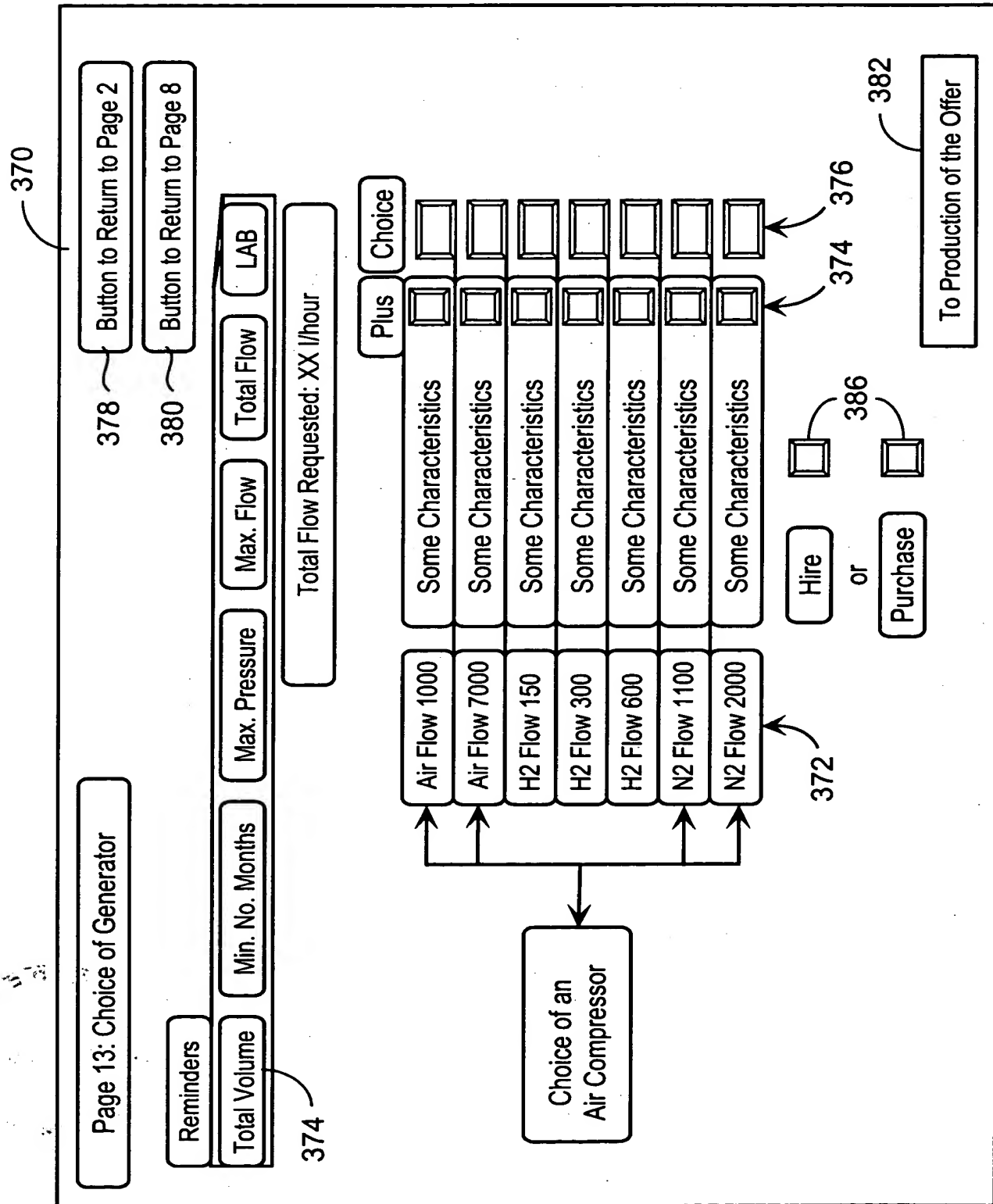


FIG. 100

Page 14: Choice of Cryogenic Container

Reminders

Total Volume

Min. No. Months

Max. Pressure

Max. Flow

Total Flow

LAB

Volume Between 2 Deliveries: XXXm<sup>3</sup> of Gas or Liters of Liquid

Cryogenic Container 180

Cryogenic Container 450

Cryogenic Container 630

Container TP 35

Container TP 60

Container TP 100

Some Characteristics

Some Characteristics

Some Characteristics

Some Characteristics

Some Characteristics

Some Characteristics

Button to Return to Page 3

Button to Return to Page 8

Plus

Choice

The models are displayed according to the gas chosen.

To Production of the Offer

FIG. 10P

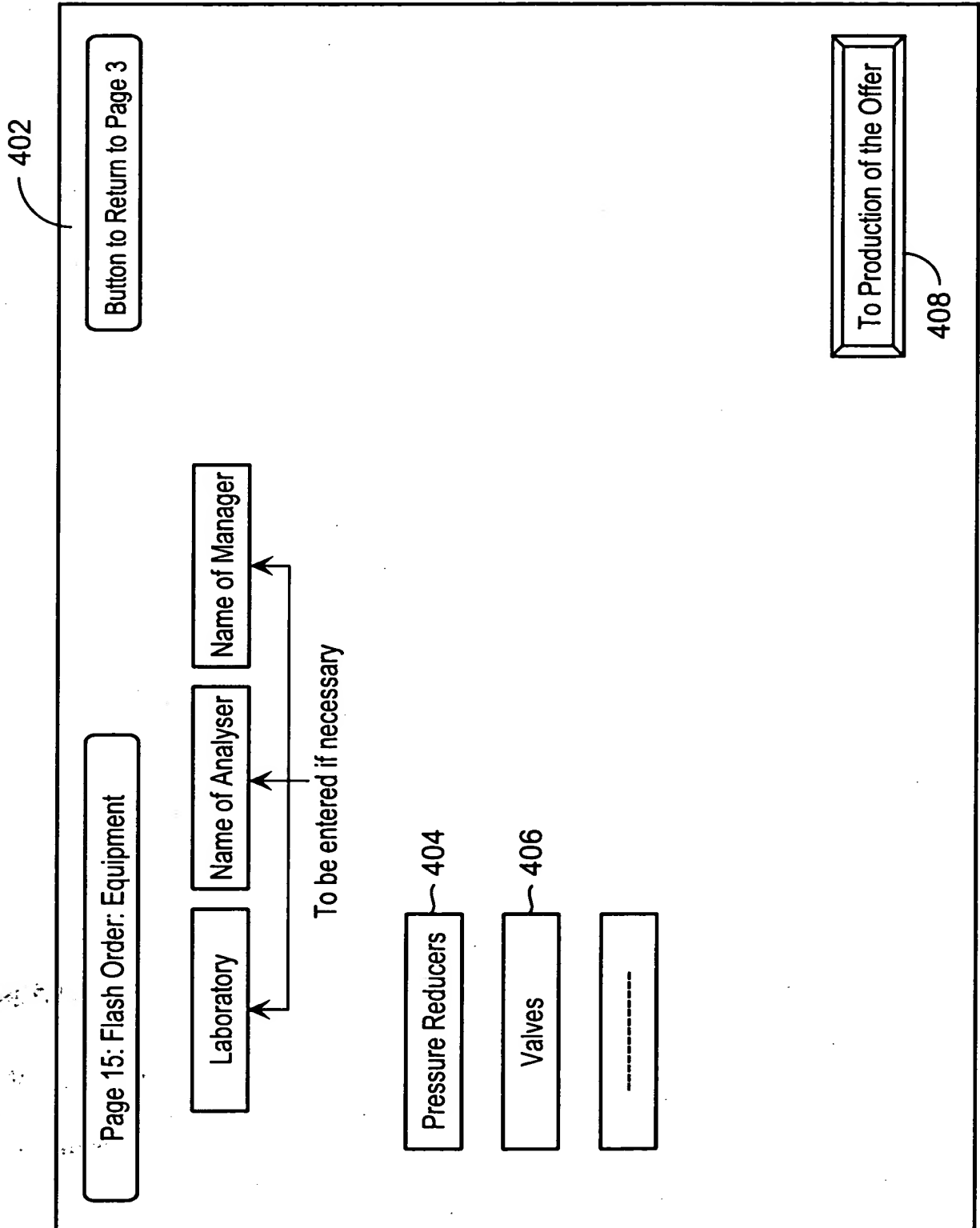


FIG. 100Q

410

Page 16

**Button to Return to Page 3...**

412

# AIR LIQUIDE

CLIENT: .....

.....

## GAS

## PRICE

Code...

Number of Bottles.....

Others.....

## EQUIPMENT

Ref.....

Number:.....

## MIXTURES

**Ref. ....:**

Number of Bottles.....

**Total Price .....**

FIG. 10R